

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	M108543	Client:	Alaskan Copper Works
Date Received:	08/17/06	Project:	PO# M108543, F&BI 608195
Date Extracted:	08/23/06	Lab ID:	608195-01 10x
Date Analyzed:	08/23/06	Data File:	608195-01 10x.026
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	btb

Internal Standard:	% Recovery:	Lower	Upper
Germanium	77	Limit:	Limit:
		60	125

Analyte:	Concentration ug/L (ppb)
Chromium	1,820
Nickel	3,360
Copper	2,460
Zinc	241

FRIEDMAN & BRUYA, INC.**ENVIRONMENTAL CHEMISTS**

Date of Report: 08/28/06

Date Received: 08/17/06

Project: Metro Self Monitor, PO# M108543, F&BI 608195

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES
FOR METALS BY EPA METHOD 200.8**

Laboratory Code: 608217-05 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	ug/L (ppb)	15.3	15.1	1	0-20
Nickel	ug/L (ppb)	14.8	13.7	8	0-20
Copper	ug/L (ppb)	17.6	17.8	1	0-20
Zinc	ug/L (ppb)	57.2	57.7	1	0-20

Laboratory Code: 608217-05 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	ug/L (ppb)	20	15.3	105 b	50-150
Nickel	ug/L (ppb)	20	14.8	90 b	50-150
Copper	ug/L (ppb)	20	17.6	91 b	50-150
Zinc	ug/L (ppb)	50	57.2	75 b	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	20	99	70-130
Nickel	ug/L (ppb)	20	102	70-130
Copper	ug/L (ppb)	20	106	70-130
Zinc	ug/L (ppb)	50	104	70-130

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Alaskan Copper Works
Date Received:	Not Applicable	Project:	PO# M108543, F&BI 608195
Date Extracted:	08/23/06	Lab ID:	I6-348 mb
Date Analyzed:	08/23/06	Data File:	I6-348 mb.016
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	btb

Internal Standard:	% Recovery:	Lower	Upper
Germanium	84	Limit:	Limit:
		60	125

Analyte:	Concentration
	ug/L (ppb)
Chromium	<1
Nickel	<1
Copper	<1
Zinc	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

August 28, 2006

DUPLICATE COPY

INVOICE # 06ACU0828-1

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M108543, F&BI 608195 - Results of testing
requested by Gerry Thompson for material submitted on August 17, 2006.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc
by Method 200.8 @ \$80 per sample

\$ 80.00

Amount Due

\$ 80.00

FEDERAL TAX ID # (b) (6)

SAMPLE CHAIN OF CUSTODY

ME 08-17-06

AIS

608195

Send Report To Thompson
 Company Alaskan Copper Works
 Address 628 S. Harbor St
 City, State, ZIP Seattle WA 98134
 Phone # 206 782-8379 Fax # 206-382-4809

SAMPLE # (signature)

PROJECT NAME/NO.

Metro self monitor

PO #

m108543

REMARKS

Samples received at 25°C

TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes		
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS							
m108543	01	8/17/06	11:30	H2O	1								For Cinc 22					

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282

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FORMS\COC\COC.DOC

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <u>[Signature]</u>	G. Thompson	Acen	8/17/06	1:34pm
Received by: <u>[Signature]</u>	Nhan Phan	FBI	8/17/06	1:34
Relinquished by:				
Received by:				

FRIEDMAN & BRUYA, INC.

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August 28, 2006

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on August 17, 2006 from the Metro Self Monitor, PO# M108543, F&BI 608195 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
ACU0828R